



EQUIPMENT SALES CO., INC.

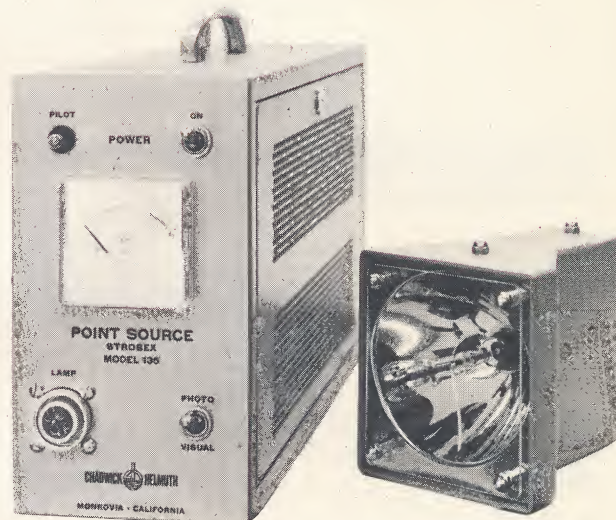
**P. O. BOX 1098
NEW HAVEN 17, CONN.
CHestnut 8-5581**

**DANVERS, MASS.
SPRING 4-2400**

**POINT SOURCE STROBEX
MODEL 135**

The new Model 135 Point Source Strobex is an entirely different type of strobe light. Many applications impossible with the typical strobe can now be accomplished. For example, helicopter blades can be tracked in normal daylight while in flight with 20 feet from lamp to target; vibration modes of a hot turbine blade may be observed; and a specimen in a space simulation chamber can be clearly illuminated through a window. The small extremely bright spot can be used to great advantage in photo stress, photo microscopy, laryngoscopy, or coordinated with a telescope or binoculars for a survey of a very large vibrating object at distances of many feet from light to target.

The outstanding technical feature of the Model 135 is the size of its light source. It is a "ball" of light only 1 mm. in diameter. With such a small source, lenses and reflectors become very effective. (See illustrations on reverse side.) Almost all of the light energy can be captured in a reflector for transmission over long distances, or can be collected by a lens system for re-imaging at the desired location. This tiny spot of light produces the same total energy as our standard Model 121B Strobex which is capable of a higher light intensity at faster flash rates than most available strobes. However, the typical strobe utilizes a flash tube whose effective light producing diameter is about one inch or more. This large light source is ideal for many applications, but it is impractical to illuminate a small target effectively or transmit light over an appreciable distance.



In addition to the standard Model illustrated above, there are many modifications available, such as:

Model 135L has internal amplifier for 0.5 v trigger capability.

Model 135H has internal amplifier, has pistol grip lamp with trigger off-on switch, and works from 28 vdc.

Model 135M has internal amplifier, 28 vdc power, and storage compartment for a pistol grip lamp, plus storage for all cables.

Model 135N has reflector removed and a 3 element condenser lens added to produce a narrow collimated beam, 1" in diameter, for microscopy, cine-microscopy, fibre optics, etc.

Factory quote on other models with shorter or longer flash duration, other input power, etc.

SPECIFICATIONS:

Light Characteristics:

	"Visual" to 200 F.P.S.	"Photo" to 30 F.P.S.
Average Illuminance* at max. flash rate, one foot from subject, footcandles	15,000	30,000
Guide Number for Kodachrome II (ASA 25)**	20	70
Beam Candle Power seconds	25	290
Watt-Seconds/Flash	.25	1.5
Flash Duration, microseconds (measured at 30% of peak light)	25	40
Light Variation, flash to flash.	2% Max.	2% Max.

*Visual Illuminance; for instrument measurement, divide by 5.

**Add 3' to distance when using Guide No.

Trigger input: Contact Closure
15-100 v + pulse or square wave (0.5 v + pulse, option)
20-70 v rms sine wave

Power Required: 117/234 vac $\pm$ 10%, 50-400 Hz., 140 w. max. (28 vdc, option)

W x H x D: Lamp: 4-1/4 x 4-1/2 x 5-1/2
(inches) Cabinet Power Supply: 4-1/2 x 8-1/4 x 15
Rack Power Supply: 19 x 5-1/4 x 15

Flash Tube: Life expectancy over 36 million flashes on "Visual".
Color temperature, 6500° K.

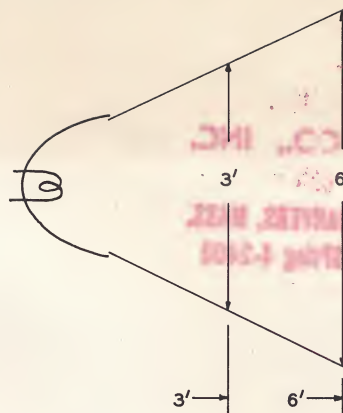
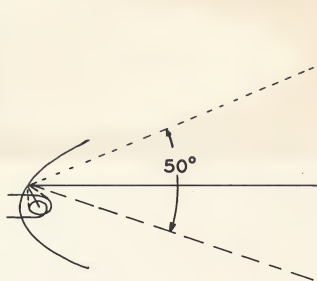
Weight: Lamp 2#, Power Supply 30#, Total 32#.

Prices:	Model 135	\$ 650.00
	Model 135H	\$1095.00
	Model 135L	\$ 700.00
	Model 135M	\$1095.00
	Model 135N	\$ 650.00
	Model 306 Stand	\$ 35.00
	Model 35 Flash Tube	\$ 60.00

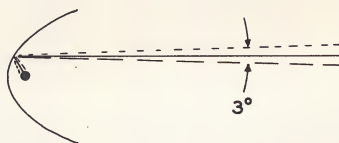
FOB Monrovia, Terms Net 30 Days.

Guarantee: One year on materials and workmanship, except tubes.

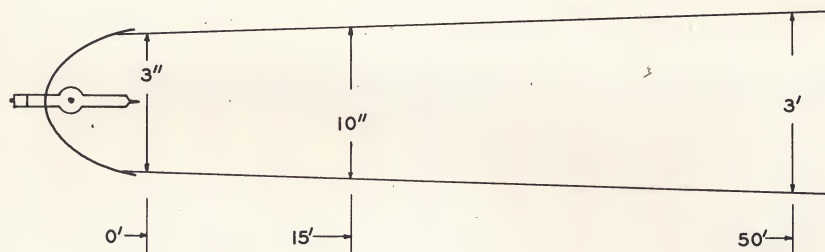
Associated Equipment: Slip-Sync, Pulse Camera, Digi-Mark, Roll Table, VMS.



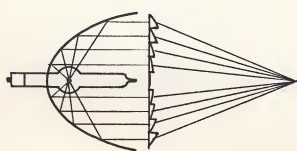
Typical large source in diffuse reflector results in wide beam divergence. No lens or reflector system can re-image or collimate the light energy. This is the system used in our Model 121B (and Model 140) Strobex lights and results in ideal general illumination for visual and photographic use.



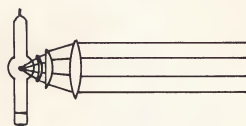
A perfect point source of light in a truly parabolic reflector would yield a perfectly collimated beam of light. The very small (1 mm. diameter) source of the Model 135 Strobex in a 3-1/2" parabolic reflector yields a beam with a divergence of only 3 degrees.



The total light from the Model 135 is the same as the light from the Model 121B Strobex, but, it can all be concentrated in the narrow beam shown above. Thus, small objects can be illuminated from great distances.



By using a fresnel lens (a very light plastic equivalent to a heavy plano-convex lens) a very concentrated bright spot can be generated.



Using a more conventional condenser system, a very tight 1" diameter beam is generated which is especially useful for microscope illumination. This makes cinestrobemicroscopy practical.